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| QUERY CONTROL FORM | | | RTIS USE ONLY | | |
| Application No. | 091895,072 | Prepared by | JS | Tracking Number | 5927454 |
| Examiner-GAU | Patterson 11652 | Date | 7/27/04 | Week Date | 3129104 |
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| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| c. Continuing Data | h. Microfiche Appendix | m. Searched Column | r. Abstract |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

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| SPECIFICATION | MESSAGE | |
| | ① Original claims 43 and 44 are canceled by Amendment cum dated 11/26/03, but still listed as allowed in the index of claims | |
| | ② PTO-1449: Please either initial or line through citation(s) copy provided for reference. | |
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SHEET 1 OF 5

| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 210119US0CONT | SERIAL NO. 09/895,072 | | |
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| LIST OF REFERENCES CITED BY APPLICANT | | APPLICANT William M. CANFIELD | | | | | |
| | | FILING DATE July 2, 2001 | | GROUP 1652 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
| | AA | | | | | | |
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| | AO | 99/31117 | 06/24/99 | WIPO | YES | NO | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | AS | Ke-Wei ZHAO, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphotransferase", Glycobiology, Vol. 2, no. 2, pp. 119-125, 1992 | | | | | |
| | ATP | Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", DNA Research, Vol. 6, pp. 337-345, 1999 | | | | | |
| | AU | XP-002226188, "KIAA1208 protein (Fragment)", From Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", DNA Research, Vol. 6, pp. 337-345, 1999 | | | | | |
| | AV | XP-002226187, "Basic domain/leucine zipper transcription factor (Fragment)", From CORDES, et al., "The mouse segmentation gene kr encodes a novel basic domain-leucine zipper transcription factor" (1994), Cell, Vol. 7, No. 9, pp. 1025-1034 | | | | | |
| | | | | | <input type="checkbox"/> Additional References sheet(s) attached | | |
| Examiner | | | | | Data Considered | | |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

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SHEET 2 OF 5

| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 210119US0CONT | SERIAL NO. 09/895,072 |
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| U.S. PATENT DOCUMENTS | | | | | |
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| | BV | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) | | | | | |
| BW | Karen Gheesling MULLIS, et al., "Purification and Kinetic Parameters of Bovine Liver N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 269, No. 3, Issue of January 21, pp. 1718-1726, 1994 | | | | |
| BX | Jin Kyu LEE, et al., "Purification and Characterization of Human Serum N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", Archives of Biochemistry and Biophysics, Vol. 319, No. 2, June 1, pp. 413-425, 1995 | | | | |
| BY | Theodore PAGE, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase", Glycobiology, Vol. 6, no. 6, pp. 619-626, 1996 | | | | |
| BZ | Thomas J. BARANSKI, et al., "Lysosomal Enzyme Phosphorylation", The Journal of Biological Chemistry, Vol. 267, No. 32, Issue of November 15, pp. 23342-23348, 1992 | | | | |
| <input type="checkbox"/> Additional References sheet(s) attached | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| CW | Riiva TIKKANEN, et al., "Several cooperating binding sites mediate the interaction of a lysosomal enzyme with phosphotransferase", The EMBO Journal, vol. 16, No. 22, pp. 6684-6693, 1997 | | | | | | |
| CX | Fumito MATSUURA, et al., "Human alpha-galactosidase A: characterization of the N-linked oligosaccharides on the intracellular and secreted glycoforms overexpressed by Chinese hamster ovary cells", Glycobiology, vol. 8, no. 4, pp. 329-336, 1998 | | | | | | |
| CY | Shiroh MAGUCHI, et al., "Elevated Activity and Increased Mannose-6-phosphate in the Carbohydrate Moiety of Cathepsin D from Human Hepatoma", Cancer Research, Vol. 48, pp. 362-367, January 15, 1988 | | | | | | |
| CX | Norman W. Barton, et al., "Therapeutic response to intravenous infusions of glucocerebrosidase in a patient with Gaucher disease", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 1913-1916, March 1990 | <input type="checkbox"/> Additional References sheet(s) attached | | | | | |
| Examiner | | | | Date Considered | | | |
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PATENT AND TRADEMARK OFFICE

SHEET 4 OF 5

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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| DW | P.O. BRADY, et al., "Modifying Exogenous Glucocerebrosidase for Effective Replacement Therapy in Gaucher Disease", J. Inher. Metab. Dis., Vol. 17, (1994), pp. 510-519 | | | | | | |
| DX | Endi D. KAKKIS, et al., "Overexpression of the Human Lysosomal Enzyme α -L-Iduronidase in Chinese Hamster Ovary Cells", Protein Expression and Purification, Vol. 5, (1994), pp. 225-252 | | | | | | |
| DY | Ke-Wei ZHAO, et al., "Carbohydrate Structures of Recombinant Human α -L-Iduronidase Secreted by Chinese Hamster Ovary Cells", The Journal of Biological Chemistry, Vol. 272, No. 36, Issue of September 5, 1997, pp. 22758-22765 | | | | | | |
| DZ | Robin J. ZIEGLER, et al., "Correction of Enzymatic and Lysosomal Storage Defects in Fabry Mice by Adenovirus-Mediated Gene Transfer", Human Gene Therapy, Vol. 10, pp. 1687-1682, (July 1, 1999) | | | | | | |
| Examiner | | | | <input type="checkbox"/> Additional References sheet(s) attached | | | |
| | | | | Date Considered | | | |
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SHEET 5 OF 5

| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE U.S. TRADEMARKS | | DOCKET NO. 210119US0 | | SERIAL NO. 09/895,072 | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
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| | EV | | | | | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| EW | Huaichang SUN, et al., "Retrovirus Vector-Mediated Correction and Cross-Correction of Lysosomal α -Mannosidase Deficiency in Human and Feline Fibroblasts", Human Gene Therapy, Vol. 10, pp. 1311-1319, (May 20, 1999) | | | | | | |
| EX | Al REUSER, et al., "Lysosomal storage diseases: cellular pathology, clinical and genetic heterogeneity, therapy", Ann Biol Clin., Vol. 52, (1994), pp. 721-728 | | | | | | |
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| EZ | | | | | <input type="checkbox"/> Additional References sheet(s) attached | | |
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